CLAIMS

1   1.   A method for remote monitoring of a premises, said method comprising the steps of:

2   operatively coupling a remote client to a security system server, said security

3   system server being capable of authenticating a user of said remote client;

4   operatively coupling said remote client to a security gateway, said security

5   gateway being capable of managing the monitoring of one or more portions of said

6   premises;

7   activating a signal at said premises for notifying an occupant at said premises that

8   remote monitoring is occurring; and

9   transferring information between said security gateway and said remote client;

10   wherein said user is at a location which is geographically remote from said

11   premises.

1   2.   The method of claim 1, wherein the step of transferring information between said security

2   gateway and said remote client is controlled by said user of said remote client.

1   3.   The method of claim 1, wherein said security gateway is operably coupled to at least one

2   camera located at said premises.

1   4.   The method of claim 3, wherein said remote client is operable to control the output of

2   said at least one camera located at said premises.

1   5.   The method of claim 1, wherein said security gateway is operably coupled to at least one

2   audio station.

1   6.   The method of claim 5, wherein said remote client is operable to control the output of

2   said at least one audio station.

1   7.   The method of claim 1, wherein said signal comprises an audible signal.

1   8.   The method of claim 7, wherein said audible signal is transmitted to a speaker.

1   9.   The method of claim 7, wherein said audible signal comprises a sound uniquely

2   associated with said user.

1   10.   The method of claim 7, wherein said audible signal comprises speech.

1   11.   The method of claim 10, wherein said audible signal identifies said user.

1   12.   The method of claim 1, wherein said signal comprises visual data.

1   13.   The method of claim 12, wherein said visual data comprises a depiction of said user.

1   14.   The method of claim 12, wherein said visual data comprises a graphical image.

1   15.   The method of claim 12, wherein said visual data comprises an alphanumeric message.

1   16.   The method of claim 15, wherein said alphanumeric message identifies said user.

1   17.   The method of claim 15, wherein said step of activating said signal comprises
2   transmitting said alphanumeric message to a keypad located at said premises.

1   18.   The method of claim 12, wherein said visual data is transmitted to a display device.

1   19.   The method of claim 18, wherein said display device comprises a television.

1   20.   The method of claim 1, wherein said step of activating said signal comprises activating a
2   light source at said premises.

1   21.   The method of claim 1, wherein said step of activating said signal comprises activating
2   an LED located on said camera.

1   22.   The method of claim 1, wherein said step of activating said signal comprises activating
2   an LED located on a keypad located at said premises.

1   23.   The method of claim 1, further comprising the steps of:

2   verifying the identification of said user of said remote client;

3   transmitting an access token from said security system server to said remote

4 client; and

5   providing said security gateway with information about said user and said access

6 token;

7   wherein said access token is adapted to allow said remote client to access said

8 security gateway based on said user's permission profile; and

9   wherein said user's permission profile is created by a general administrator of said

10 security gateway.

1   24.   The method of claim 23, wherein said general administrator of said security

2 system is capable of modifying said user's permission profile.

1   25.   The method of claim 23, wherein said step of verifying said identification of said user

2 comprises authenticating biometric data.

1   26.   The method of claim 23, wherein said access token expires at a designated time and date.

1   27.   The method of claim 23, wherein said access token expires after a designated length of

2 time has elapsed.

1   28.   The method of claim 23, wherein said access token expires after a designated number of

2   –   accesses have occurred.

1   29.   The method of claim 23, wherein said access token allows access to specific features of

2 said security gateway according to said user's permission profile.

1   30.   The method of claim 23, wherein said access token allows access to one or more

2 designated cameras located at said premises.

1   31.   The method of claim 23, wherein said access token allows access to one or more

2 designated audio stations located at said premises.

1   32.   The method of claim 1, wherein said security gateway comprises a controller capable of

2   performing one or more building automation and control functions.

1   33.   The method of claim 32, further comprising the step of:

2   operably coupling said remote client to said controller, wherein said controller is

3   capable of controlling one or more air conditioning systems at said premises.

1   34.   The method of claim 32, further comprising the step of:

2   operably coupling said remote client to said controller, wherein said controller is

3   capable of controlling one or more doors at said premises.

1   35.   The method of claim 32, further comprising the step of:

2   operably coupling said remote client to said controller, wherein said controller is

3   capable of controlling one or more lighting devices at said premises.

1   36.   The method of claim 32, further comprising the step of:

2   operably coupling said remote client to said controller, wherein said controller is

3   capable of controlling an irrigation system at said premises.

1   37.   The method of claim 32, further comprising the step of:

2   operably coupling said remote client to said controller, wherein said controller is

3   capable of controlling an electrical appliance at said premises.

1   38.   The method of claim 1, further comprising the step of:

2   streaming data in substantially real-time from said security gateway to said

3   remote client.

1   39.   The method of claim 1, further comprising the step of:

2   enabling substantially real-time audio communication between said remote client

3   and said security gateway.

1   40.   The method of claim 1, further comprising the step of:

2   enabling substantially real-time video communication between said remote client

3   and said security gateway.

1 41. The method of claim 1, further comprising the step of:

2 enabling substantially real-time synchronized audio and video communication

3 between said remote client and said security gateway.

1 42. The method of claim 1, further comprising the step of:

2 recording audio and video data during a particular time period.

1 43. The method of claim 42, wherein said particular time period comprises intervals

2 according to a pre-determined schedule.

1 44. The method of claim 42, wherein said particular time period is determined upon demand

2 of an administrator of said security gateway.

1 45. The method of claim 42, wherein said particular time period begins prior to triggering of

2 an alarm.

1 46. The method of claim 42, wherein said particular time period begins upon triggering of an

2 alarm.

1 47. The method of claim 46, wherein said security gateway continuously caches audio and

2 video data.

1 48. The method of claim 42, wherein said particular time period begins prior to triggering of

2 a sensor.

1 49. The method of claim 42, wherein said particular time period begins upon triggering of a

2 sensor.

1 50. The method of claim 49, wherein said security gateway continuously caches audio and

2 video data.

1 51. The method of claim 42, wherein said recorded audio and video data are used to provide

2 context for an alarm event.

1   52.   The method of claim 49, wherein said security gateway continuously caches audio and

2   video data.

1   53.   A method for remote monitoring of a residential premises, said method comprising the

2   steps of:

3   operatively coupling a remote client to a security system server, said security

4   system server being capable of authenticating a user of said remote client;

5   verifying the identification of said user of said remote client;

6   transmitting an access token from said security system server to said remote

7   client;

8   providing said security gateway with information about said user and said access

9   token;

10   operatively coupling said remote client to a security gateway, said security

11   gateway being capable of managing the monitoring of one or more portions of said

12   premises;

13   activating a signal at said premises for notifying an occupant at said premises that

14   remote monitoring is occurring; and

15   transferring information between said security gateway and said remote client;

16   wherein said user is at a location which is geographically remote from said

17   premises;

18   wherein said security gateway is operably coupled to at least one camera located

19   at said premises;

20   wherein said security gateway is operably coupled to at least one audio station

21   located at said premises;

22   wherein said access token is adapted to allow said remote client to access said

23   security gateway based on said user's permission profile; and

24   wherein said user's permission profile is created by a general administrator of said

25   security gateway.

1 54. A security system for remote monitoring of a premises by a user of a remote client, said

2   security system comprising:

3   a security system server, said security system server being capable of

4   authenticating said user of said remote client;

5   a security gateway operatively coupled to said security system server via a

6   network, said security gateway being capable of managing the monitoring of one or more

7   portions of said premises;

8   one or more cameras located at said premises and operatively coupled to said

9   security gateway; and

10   one or more audio stations located at said premises and operatively coupled to

11   said security gateway;

12   wherein said user is at a location which is geographically remote from said

13   premises; and

14   wherein said security gateway provides an audiovisual signal at said premises for

15   notifying an occupant at said premises that remote monitoring is occurring.

1 55. The security system of claim 54, wherein said security gateway comprises a controller

2   capable of performing building automation control functions.

1 56. The security system of claim 54, wherein said security system provides for streaming

2   data in substantially real-time from said security gateway to said remote client.

1 57. The security system of claim 54, wherein said security system provides for substantially

2   real-time synchronized audio and video communication between said remote client and

3   said security gateway.

1 58. The system of claim 54, wherein said security system server provides said remote client

2   with an access token based on a permission profile associated with said user.

1   59.   A security system for remote monitoring of a residential premises by a user of a remote

2   client, said security system comprising:

3   a security system server, said security system server being capable of

4   authenticating said user of said remote client;

5   a security gateway operatively coupled to said security system server via a

6   network, said security gateway being capable of managing the monitoring of one or more

7   portions of said premises;

8   one or more cameras located at said premises and operatively coupled to said

9   security gateway; and

10   one or more audio stations located at said premises and operatively coupled to

11   said security gateway;

12   wherein said user is at a location which is geographically remote from said

13   premises;

14   wherein said security gateway provides an audiovisual signal at said premises for

15   notifying an occupant at said premises that remote monitoring is occurring;

16   wherein said security system provides for streaming data in substantially real-time

17   from said security gateway to said remote client;

18   wherein said security system provides for substantially real-time synchronized

19   audio and video communication between said remote client and said security gateway;

20   and

21   wherein said security system server provides said remote client with an access

22   —   token based on a permission profile associated with said user.